

# Converting Colors

XYZ(46.6666, 42.8014, 51.8041)

Have a look what the booklet for  
XYZ(46.6666, 42.8014, 51.8041)  
contains.

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# Color

**XYZ(46.6610, 42.7502,  
51.6913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBA4B9
RGB	203, 164, 185
RGB Percent	80%, 64%, 73%
CMY	0.2039, 0.3568, 0.2745
CMYK	0.00, 0.19, 0.09, 0.20
HSL	328°, 27%, 72%
HSV	328°, 19%, 80%
XYZ	46.6610, 42.7502, 51.6913
YIQ	178.0550, 16.5030, 14.7990

# Conversions

## Conversions Part 2

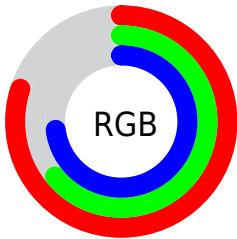
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 164, 185
Decimal	13345977
CIE Lab	71.39, 17.77, -5.36
CIE LCh	71, 18.565, 343.229
Yxy	42.7502, 0.3307, 0.3030
Android (android.graphics.Color)	4291536057 (0xFFCBA4B9)
YUV	178.0550, 3.4239, 21.8768
Hunter-Lab	65.3836, 12.9651, -1.1052

# Details

The XYZ color **46.6610, 42.7502, 51.6913** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.1109, 53.9829, 52.3005**, and the grayscale version is **42.3234, 44.5275, 48.4904**.

A 20% lighter version of the original color is **82.4487, 78.2739, 93.9819**, and **22.3535, 19.6438, 24.4433** is the 20% darker color. If you saturate the color by 10%, you get **42.3574, 35.6738, 45.5364**, and if you desaturate by 10%, it is **51.6121, 51.0162, 58.3847**.

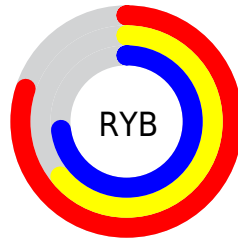
# Distribution



Red (80%)

Green (64%)

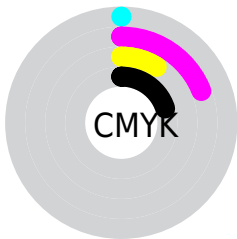
Blue (73%)



Red (80%)

Yellow (64%)

Blue (73%)

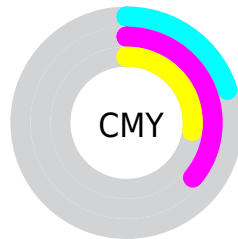


Cyan (0%)

Magenta (19%)

Yellow (9%)

Black (20%)



Cyan (20%)

Magenta (36%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6610, 42.7502, 51.6913 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.6610, 42.7502, 51.6913 by changing the saturation by 10% instead.





 46.6610, 42.7502,  
51.6913


 46.6610, 42.7502,  
51.6913


364.1313,  
357.5835, 410.1667

 32.9746, 29.6892,  
36.3785

 84.4292, 79.3338,  
94.0978

 22.2661, 19.6028,  
24.4347


 109.2417,  
103.6251, 122.0285

 14.1703, 12.1066,  
15.4412


138.4936,  
132.4286, 155.0024

 8.3217, 6.8163,  
8.9796

172.5502,  
166.1288, 193.4378

 4.3550, 3.3475,  
4.6312

211.7769,  
205.1100, 237.7534

 1.9049, 1.3157,  
1.9776

256.5391,

 0.5797, 0.1533,

249.7565, 288.3678

0.5415

307.2021,  
300.4529, 345.6993

■ 0.0000, 0.0000,  
0.0000

■ 46.6610, 42.7502,  
51.6913

■ 46.6610, 42.7502,  
51.6913

■ 42.3574, 35.6738,  
45.5364

■ 51.6121, 51.0162,  
58.3847

■ 38.6690, 29.7259,  
39.9017

■ 57.2338, 60.5177,  
65.6287

■ 35.5660, 24.8485,  
34.7712

■ 63.5528, 71.3055,  
73.4387

■ 33.0146, 20.9762,  
30.1273

■ 70.5928, 83.4254,  
81.8281

■ 30.9774, 18.0363,  
25.9508

■ 74.9332, 90.0344,  
89.6623

■ 29.4120, 15.9462,  
22.2203

■ 76.2991, 90.5808,  
96.8551

■ 28.2684, 14.6086,  
18.9122

■ 77.7371, 91.1559,  
104.4272

■ 27.4629, 13.8581,  
15.9909

■ 78.4388, 91.4366,  
108.1226

■ 27.4054, 13.8072,  
15.7735

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8882, 42.7502, 60.2441



46.6610, 42.7502, 51.6913



46.7665, 42.7502, 42.7201

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.6610, 42.7502, 51.6913



39.2734, 42.7502, 31.7265



36.4105, 42.7502, 59.3553

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.6610, 42.7502, 51.6913



45.1109, 53.9829, 52.3005

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.0603, 42.7502, 50.5973



46.6610, 42.7502, 51.6913



36.6551, 42.7502, 35.1025

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.6610, 42.7502, 51.6913



42.3912, 42.7502, 31.9402



35.1475, 42.7502, 41.7572



38.9237, 42.7502, 65.0424



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6610, 42.7502, 51.6913



45.8685, 42.7502, 37.7411



35.1475, 42.7502, 41.7572



35.8115, 42.7502, 56.6276

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.6622, 42.7521, 51.6922



89.2455, 90.1771, 101.4586



43.2419, 40.7552, 62.0879



18.9724, 19.0828, 21.5474



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6622, 42.7521, 51.6922



75.0526, 66.4954, 82.2260



44.7839, 42.0008, 41.8012



11.4606, 11.3130, 12.9603



17.4869, 8.8054, 10.2829



0.9402, 0.4695, 0.7310



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.6622, 42.7521, 51.6922



75.0526, 66.4954, 82.2260



47.2156, 54.8248, 63.3835



11.4606, 11.3130, 12.9603



17.4869, 8.8054, 10.2829

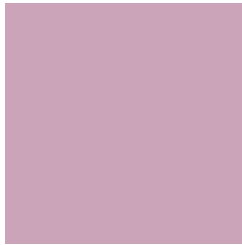


0.9402, 0.4695, 0.7310



# Previews

## White Background



This preview shows how the XYZ color 46.6610, 42.7502, 51.6913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

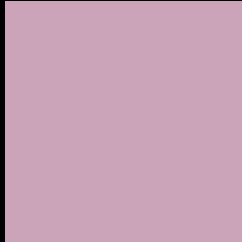
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.6610, 42.7502, 51.6913 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

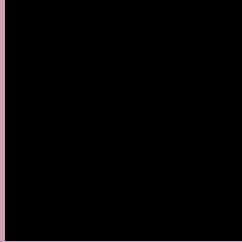
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.6610, 42.7502, 51.6913**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.6610, 42.7502, 51.6913.



This preview shows how white text looks on a background with the XYZ color 46.6610, 42.7502,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

46.6610, 42.7502, 51.6913

### Protanopia

41.7736, 42.9179, 55.3725

### Deuteranopia

43.7655, 42.9015, 51.3215



## Tritanopia

45.8481, 42.6812, 47.9413

# Trichromacy



## Original Color

46.6610, 42.7502, 51.6913

## Protanomaly

43.3272, 42.6139, 54.0858

## Deuteranomaly

44.6467, 42.8034, 51.2562

## Tritanomaly

46.1527, 42.8030, 49.5454

# Monochromacy



## Original Color

46.6610, 42.7502, 51.6913

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

43.7776, 43.7881, 49.8607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.6610, 42.7502, 51.6913 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(203, 164, 185)` looks like.

```
.text, #text, p{  
    color:rgb(203, 164, 185)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(203, 164, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 164, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 46.6610, 42.7502, 51.6913 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 164, 185) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(203, 164, 185) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(203, 164, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 164, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 164, 185);  
box-shadow:4px 4px 4px 4px rgb(203, 164,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.6610, 42.7502, 51.6913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 164, 185) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(203,  
164, 185) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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